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Electronic Patent Application Submission
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EFS ID: 14431
Application ID: 10063195
Title of Invention: HYBRID POWER SYSTEM FOR AN
ELECTRIC VEHICLE
First Named Inventor: Bruce Kopf
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-03-28
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Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 200-0527 CLH
Digital Certificate Holder: cn=Damian Porcari, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: k49klgDSGGxPzNL5McU3EA==
Total Fees Authorized: \$820.0
Payment Category: DA - Deposit Account
Deposit Account Number: 61510
Deposit Account Name: Sandra M. Lewis



TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent
Filing

Attorney Docket
Number:

200-0527
CLH



HYBRID POWER SYSTEM FOR AN ELECTRIC VEHICLE

First Named Inventor: Bruce Kopf

SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Saundra M. Lewis Electronic Filing
Specialist

Electronic Signature Mark: /sml

Date Signed: 20020328

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

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|-------------|----------------------|
| declaration | declaration1 of4.tif |
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| declaration | declaration3 of4.tif |
| declaration | declaration4 of4.tif |

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|--------------------|------------------------------------|
| declaration | consentletter.tif |
| declaration | informationdisclosurestatement.tif |
| bid-transmittal | 200-0527apds.xml |
| patent-assignments | 200-0527asgn.xml |
| specification | specification.xml |
| fee-transmittal | 200-0527fee.xml |

Attached Image File(s):

declaration1of4.tif

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Comments:

| Year | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | |

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|---|------------------------|---|--|--|---|--|--|--|----------------------|---------------|---|--|--|--|----------------------|---------------|---|
| DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION | | | | | Attorney's Docket No. 200-0527 | | | | | | | | | | | | |
| <p>As a below named inventor, I hereby declare: My residence, post office address and citizenship are as stated below next to my name:</p> <p>I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed for which a patent is sought on the invention entitled</p> <p>HYBRID POWER SYSTEM FOR AN ELECTRIC VEHICLE</p> <p>the specification of which is attached hereto.</p> <p>I have reviewed and understand the contents of the specification identified above, including the claims.</p> <p>I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns,</p> <p style="margin-left: 40px;"> <input checked="" type="checkbox"/> no such applications have been filed, or <input type="checkbox"/> such applications have been filed as follows: <input type="checkbox"/> I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below </p> | | | | | | | | | | | | | | | | | |
| COUNTRY | APPLICATION NO. | DATE OF FILING (month, day, year) | DATE OF ISSUE (month, day, year) | PRIORITY CLAIMED UNDER 35 USC 119 | <input type="checkbox"/> Additional provision: application numbers in on a supplementary priority date PTO/SB/C attached! | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| <p>I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which is available between the filing date of the prior application and the national or PCT International filing date of this application.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> </tr> <tr> <td style="text-align: center; font-size: small;">(Application Number)</td> <td style="text-align: center; font-size: small;">(Filing Date)</td> <td style="text-align: center; font-size: small;">(Status - patented, pending, abandoned)</td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> </tr> <tr> <td style="text-align: center; font-size: small;">(Application Number)</td> <td style="text-align: center; font-size: small;">(Filing Date)</td> <td style="text-align: center; font-size: small;">(Status - patented, pending, abandoned)</td> </tr> </table> <p>POWER OF ATTORNEY: - I/we hereby appoint the following Practitioners: Customer No. 28787, Ernest E. Helms - 29 my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and all foreign Patent Offices.</p> | | | | | | | | | (Application Number) | (Filing Date) | (Status - patented, pending, abandoned) | | | | (Application Number) | (Filing Date) | (Status - patented, pending, abandoned) |
| | | | | | | | | | | | | | | | | | |
| (Application Number) | (Filing Date) | (Status - patented, pending, abandoned) | | | | | | | | | | | | | | | |
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| (Application Number) | (Filing Date) | (Status - patented, pending, abandoned) | | | | | | | | | | | | | | | |

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statement jeopardize the validity of the application or any patent issuing thereon.

| NAME AND MAILING ADDRESS OF INVENTOR: | RESIDENCE | CITIZENSHIP | SIGNATURE |
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| Bruce M. Kopf 825 Lake Shore Road Grosse Pointe Shores, MI 48236 US | Grosse Pointe Shores, MI 48236 US | U.S.A | <i>Bruce M. Kopf</i> |
| Jing Song 25724 Cody Ln Novi, MI 48374 US | Novi, MI 48374 US | U.S.A | |
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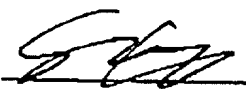
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements jeopardize the validity of the application or any patent issuing thereon.

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|--|---|-------------|---|----|
| Bruce M. Kopf 825 Lake Shore Road Grosse Pointe Shores, MI 48236 US | Grosse Pointe Shores, MI 48236 US | U.S.A | | 0 |
| Jing Song 25724 Cody Ln. Novi, MI 48374 US | Novi, MI 48374 US | U.S.A | | |
| Yi Ding 208 Queen Anne Drive Canton, MI 48187 US | Canton, MI 48187 US | China |  | 31 |

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D. C. 20231

Case Docket No. 200-0527
Date: March 27, 2002


Sir:

Inventor(s):
Bruce Kopf
Jing Song
Yi Ding

For: **HYBRID POWER SYSTEM FOR AN ELECTRIC VEHICLE**

The attorney or agent below has reviewed this application and its attachments and consents to electronic filing by the assignee.

Respectfully submitted:



Carlos L. Hanze
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| | | | | | | | |
|--|----|-----------------|----------|--------------------------------|-------|-------------------------|-------------|
| Based on Form PTO-1449 (3/90) | | | | ATTY. DOCKET NO. 65,161-050 | | SERIAL NO Unassigned | |
| LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT Ding | | | |
| | | | | FILING DATE | | GROUP Unassigned | |
| U. S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
| | AA | 4,931,947 | 06/05/90 | Werth et al. | 364 | 492 | |
| | AB | 4,839,574 | 06/13/89 | Takabayashi | 320 | 3 | |
| | AC | 5,631,532 | 05/20/97 | Azuma et al. | 320 | 5 | |
| | AD | 4,961,151 | 10/02/90 | Early et al. | 364 | 492 | |
| | AE | 4,962,462 | 10/09/90 | Fekete, deceased | 364 | 492 | |
| | AF | 5,713,426 | 02/03/98 | Okamura | 180 | 65.3 | |
| | AG | 5,808,448 | 09/15/98 | Naito | 322 | 13 | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| | AO | | | | | | |
| | AP | | | | | | |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
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| | AT | | | | | | |
| EXAMINER | | | | DATE CONSIDERED | | | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 820

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510



Deposit Account Name: 06-1510

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Sandra M. Lewis

Electronic Signature Mark: /sml

Date Signed: 20020328

BASIC FILING FEE

| Fee Description | Fee Code | Fee Paid |
|--------------------|----------|----------|
| Utility Filing Fee | 101 | \$ 740 |

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

| | Fee Code | Fee | Extra Claims | Fee Paid |
|-----------------------|----------|-------|--------------|----------|
| Total Claims: 20 | 103 | \$ 18 | 0 | \$ 0 |
| Independent Claims: 3 | 102 | \$ 84 | 0 | \$ 0 |

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

| Fee Description | Number | Quantity | Fee Code | Amount | Fee Paid |
|---|----------|----------|----------|--------|----------|
| Recording Each Patent Assignment Per Property Fee | 00000000 | 1 | 581 | \$ 40 | \$ 40 |
| Recording Each Patent Assignment Per Property Fee | 00000000 | 1 | 581 | \$ 40 | \$ 40 |

Subtotal For Additional Fees: \$ 80